

Environmental Chemistry Laboratory

Staff Publications 1986 - Present

1. Holden A, She J, Tanner M, Lunder S, Hooper K. PBDEs in the San Francisco Bay area: Measurements in fish. Proceedings of the 23d International Dioxin Conference, Boston, MA, 2003
2. She J, Holden A, Tanner M, Adelsbach T, Schwarzbach S, Thompson CS, Mahaffy M, Petreas M, Simmons BP, Hooper, K. High PBDE levels in Piscivorous seabird eggs from the San Francisco Bay and Washington state. Proceedings of the 23d International Dioxin Conference, Boston, MA, 2003
3. FR Brown, J Winkler, P Visita, J Dhaliwal, M Petreas. Levels of PCDD/Fs, PCBs, and PBDEs in Edible Fish from California Coastal Waters. Proceedings of the 23d International Dioxin Conference, Boston, MA, 2003
4. M Petreas, C Li, J Dhaliwal, FR Brown, NJ Krage, M Khosravifard, A Chang. Potential Roles of Fertilizer and Micronutrient Supplement Applications on PCDD/Fs and Trace Elements in California Agricultural Soils. Proceedings of the 23d International Dioxin Conference, Boston, MA, 2003
5. R Koepke, M Warner, A Cabria, M Petreas, M Hernandez-Avila, B Eskenazi. Serum DDT/DDE levels in women of Chiapas, Mexico. *Organohalogen Compds*, 64: 148 – 151, 2003.
6. Hayward DG, Hooper K. Comparison of levels of PCDD/Fs and 28 PCB congeners in finfish from Lake Chardara, Kazakhstan and Washington, DC. Proceedings of the 23d International Dioxin Conference, Boston, MA, 2003
7. Hooper, K. The IARC's Role in Public Health. *Intl J Occup Environ Health* 9:90 2003.
8. Axelson O, Castleman B, Epstein S, Giannasi F, Grandjean P, Greenberg M, Hooper K, et al. WHO handling of Conflicts of Interest. *Intl J Occup Environ Health* 9:92 2003.
9. Hooper K, She J. Lessons from the polybrominated diphenyl ethers (PBDEs): Precautionary principle, primary prevention, and the value of community-based body burden monitoring using breast milk. *Environ Health Perspect* 111:109-114 (2003).
10. Petreas M, J She, FR Brown, J Winkler, G Windham, E Rogers, G Zhao, R Bhatia, MJ Charles. High body burdens of 2,2',4,4'-brominated diphenyl ether in California women. *Env Health Persp*, 111:1175-1179, 2003
11. M Petreas, J She, FR Brown, J Winkler, P Visita, C Li, D Chand, J Dhaliwal, E Rogers, G Zhao, MJ Charles. High PBDE Concentrations in California Human and Wildlife Populations. *Organohalogen Compounds*, 58:177-180, 2002
12. M Petreas, E Rogers, G Zhao, G Windham, R Bhatia, MJ Charles. Organohalogen Body Burdens in California Women. *Organohalogen Compounds*, 55:259-262, 2002
13. MX Petreas. Temporal and Spatial Trends in Persistent Organic Pollutants. *Envir Sci & Pollut Research*, (Special Issue 3):103-104, 2002
14. Hooper K, Clark G, Chu A, Kudaibergenova Z, Farland W, Lucier G. Using CALUX assay to select high-TCDD mothers in southern Kazakhstan and map time course of TCDD elimination via breast milk. *Organohalogen Compds* 57:105-109 (2002).
15. J She, MX Petreas, J Winkler, P Visita, M McKinney, D Kopec. Polybrominated Diphenyl Ethers (PBDEs) In the San Francisco Bay Area: Measurements in Harbor Seal Blubber and Human Breast Adipose Tissue. *Chemosphere*, 46:697-707, 2002
16. RR Chang and GW Fuhs. California Environmental Technology Certification Program. *J of Process Analytical Chemistry*, VI, 94 – 99, 2001.
17. M Petreas, J She, J Winkler, P Visita, M McKinney, P Reynolds, D Smith, et al " Body Burdens of Organohalogen in California Populations", *Organohalogen Compounds*, 48, 17 – 20, 2000
18. J She, M Petreas, J Winkler, P Visita, M McKinney, Robert Jones, AD Kopec " Harbour Seals as Indicators of Halogenated Contaminants in San Francisco Bay", *Organohalogen Compounds*, 49, 422 – 425, 2000

19. J She, J Winkler, P Visita, M McKinney, M Petreas " Analysis of PBDEs in Seal Blubber and Human Breast Adipose Tissue Samples", *Organohalogen Compounds*, 47, 53 – 56, 2000
20. R Lipnick, B Jansson, D Mackay, M Petreas, Eds. Persistent, Bioaccumulative, and Toxic Chemicals II: Assessment and New Chemicals, Amer Chem Soc Symposium Series 773. Washington D.C., 2000
21. M Petreas. Use of Breath Monitoring to Assess Exposures to Volatile Organic Solvents. Chapter 15, pp. 1046-1064. In: Handbook of Solvents, G. Wypych, Ed. ChemTec Press, Toronto, Canada, 2000
22. B Jansson, R Lipnick, D Mackay, M Petreas. Identification of Persistent, Bioaccumulative and Toxic Substances. In: Persistent Bioaccumulative Toxic Chemicals. R Lipnick, Ed. Amer Chem Soc Symposium Series 773. Washington D.C. 2000
23. M Petreas, J She, M McKinney, P Visita, J Winkler, M Mok, K Hooper. Dioxin Body Burdens in California Populations. In: Persistent Bioaccumulative Toxic Chemicals. R Lipnick, Ed. Amer Chem Soc Symposium Series 772. Washington D.C. 2000
24. K Hooper and T McDonald. The PBDEs: an emerging environmental challenge and another reason for breast milk monitoring programs. *Envir Health Perspect*, 108: 387-392, 2000
25. L Valoppi, M Petreas, R Donohoe, L Sullivan, C Callahan. Use of PCB congener and homologue analysis in ecological risk assessment. In: Environmental Toxicology and Risk Assessment: Recent Achievements in Environmental Fate and Transport: 9th vol, ASTMSTP 1381, Price, Brix and Lane, Eds., Amer Soc for Testing and Materials, West Conshohocken, PA, 2000
26. M Harnly, M Petreas, J Flattery, L Goldman. Polychlorinated Dibenzo-p-dioxin and Polychlorinated Dibenzofuran Contamination in Soil and Home-Produced Chicken Eggs near Pentachlorophenol Sources. *Envir Sci & Technol.*, 34:1143-1149. 2000
27. B Simmons. "Waste Extraction Procedures" in Encyclopedia of Analytical Chemistry. RA Meyers, ed. 3526-3532, John Wiley & Sons. 2000
28. Hooper K, Cheng YY, Chuvakova T, Patterson D, Turner W, Hayward D. Risk factors for high TCDD levels in women from cotton-growing state-farms in southern Kazakhstan. *Organohalogen Cmpds* 44 129-133 (1999).
29. Hooper K, Cheng YY, Chuvakova T. Sex ratio of infants in a TCDD-contaminated region in southern Kazakhstan. *Organohalogen Cmpds* 44 389-392 (1999).
30. Hooper K, Petreas MX, She J, Visita P, Mok M, Winkler J, McKinney M, Cheng YY, Reisberg B, Ruhstaller K. PCDD/PCDF levels in breast milk from an ethnically diverse population near a hazardous waste site in Stockton, California. *Organohalogen Cmpds* 44 129-133 (1999).
31. Hooper K. Breast milk monitoring programs (BMMPs): World-wide early warning system for POPs, and for targeting studies in children's environmental health. *Environ Health Perspect* 107:28(1999).
32. Hooper K, Chuvakova T, Kazbekova G, Hayward D, Tulenova A, Petreas MX, Cheng YY, Wade TJ, Benedict K, Grassman J, Lucier GW. Analysis of breast milk to assess exposure to chlorinated contaminants in Kasakstan. III: Sources and Effects of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) Exposures in an Agricultural Region of Southern Kazakstan. *Environ Health Perspect* 107:3-13(1999).
33. Hooper K. Breast Milk Monitoring Programs (BMMPs): Worldwide Early Warning system for Polyhalogenated POPs and for Targeting Studies in Children's Environmental Health. *Environ Health Perspect* 107:429-430, 1999
34. Hayward, DG, Hooper K, Andrzejewski D. Tandem-in-time mass spectrometry method for the determination of 2,3,7,8-chlorine substituted dibenzo-p-dioxins and -furans in high fat foods. *Anal Chem* 71:212-220(1999).
35. K Hooper, T Chuvakova, G Kazbekova, D Hayward, M Petreas, Y Cheng, J Grassman. Analysis of breast milk to assess exposure to chlorinated contaminants in Kazakstan: Sources of 2,3,7,8-TCDD exposures in an agricultural region of Southern Kazakstan. *Env Health Persp*, 107:447-45, 1999
36. M Petreas, J She, J Winkler, P Visita, M McKinney "Levels of PCDD/PCDFs, PCBs and OC Pesticides in Breast Adipose of Women Enrolled in a California Breast Cancer Study", *Organohalogen Compounds*, 38, 37 – 39, 1998
37. K Hooper, MX Petreas, T Chuvakova, G Kazbekova, N Druz, G Semenova, T Sharmanov, D Hayward, J She, P Visita, J Winkler, M McKinney, T Wade, J Grassman, RD Stephens. "Analysis of breast milk to

assess exposure to chlorinated contaminants in Kazakstan. II: High Levels of 2,3,7,8-TCDD in agricultural villages of Southern Kazakstan". *Env Health Persp*, 106:797-806, 1998

38. K Hooper, M Iskander, G Sivia, F Hussein, J Hsu, M Deguzman, Z Odion, Z Ilejay, F Sy, M Petreas, B Simmons. Toxicity Characteristic Leaching Procedure Fails to Extract Oxoanion-Forming Elements That Are Extracted by Municipal Solid Waste Leachate. *Environ Sci Technol* 32:3825-3830. 1998
39. She J, MX Petreas, P Visita, M McKinney, F Sy, JJ Winkler, K Hooper, RD Stephens. "Congener-specific analysis of PCBs in human milk from Kazakhstan". *Chemosphere*, 37:431-442, 1998
40. Jianwen She, J Winkler, M McKinney, P Visita, M Petreas "Development of an Isotope Dilution GC/NCI-MS Method for the Analysis of Organochlorine Pesticides in Human Breast Adipose Tissue", *Organohalogen Compounds*, 31, 272 – 275, 1997
41. Fairey R, K Taberski, S Lamerdin, E Johnson, RP Clark, JW Downing, J Newman, M Petreas. Organochlorines and other environmental contaminants in muscle tissues of sportfish collected from San Francisco Bay. *Marine Pollution Bulletin*: 34/12, 1058-1071, 1997
42. K Hooper, MX Petreas, J She, P Visita, J Winkler, M McKinney, M Mok, F Sy, J Garcha, M Gill, RD Stephens, G Semenova, T Chuvakova, T Paltusheva. "Analysis of breast milk to assess exposure to chlorinated contaminants in Kazakstan. I: PCBs and Organochlorine Pesticides in Southern Kazakstan". *Env Health Persp*, 105: 1250-1254, 1997
43. Jianwen She and H. Hagenmaier "Levels and Fate of PCDD/Fs in soil around Rastatt in Southwest Germany", *Organohalogen Compounds*, Vol 28, 31-34, 1996
44. Hayward D, M Petreas, J Winkler, P Visita, M McKinney, R Stephens." Investigation of a wood treatment facility: Impact on an aquatic ecosystem in the San Joaquin River". *Arch Envir Contam Toxicol* 30: 30-39, 1996
45. Brown FR, Roehl R, Tabajonda J and Garcha J.; Evaluation and application of Supercritical Fluid Chromatography with electrolytic conductivity detection. *Analysis Letters*. 28(4), 703-729 (1995).
46. Jianwen She, M Petreas, P Visita, M McKinney, F. Sy, J. Winkler, K Hooper "Congener-specific Analysis of PCBs in Human Milk", *Organohalogen Compounds*, Vol 26, 397 - 400, 1995
47. Jianwen She, Michael McKinney, Myrto Petreas and Robert Stephens, "Design and Application of an Isotope Pattern Calculator for Microsoft Windows", *Organohalogen Compounds*, Vol 23, 171 - 174, 1995
48. FR Brown, R Roehl, J Tabajonda, J Garcha. "Evaluation and Application of Supercritical Fluid Chromatography with Electrolytic Conductivity Detection." *Analyt Lett*, 28:703-729, 1995.
49. Harnly M, RD Stephens, C McLaughlin, J Marcotte, M Petreas, L Goldman. " Polychlorinated Dibenzo-p-dioxin and Dibenzofuran Contamination at Metal Recovery Facilities, Open Burn Sites, and a Railroad Car Incineration facility". *Envir Sci & Techn*, 29: 677-684, 1995
50. Stephens RD, MX Petreas, DG Hayward. "Biotransfer and bioaccumulation of dioxins and furans from soil: Chickens as a model for foraging animals". *Sci of the Total Envir*, 175 (3): 253-273, 1995
51. K Hooper, G Clark. "Workshop on Perinatal exposures to dioxin-like compounds VI: Role of Biomarkers". *Environ Health Perspect*, 103 (Suppl 2): 1995
52. G Lindström, K Hooper, M Petreas, RD Stephens, A Gilman. "Workshop on Perinatal exposures to dioxin-like compounds I: Summary" *Environ Health Perspect*, 103 (Suppl 2): 135-142, 1995
53. Petreas M, J Woodlee, CE Becker, SM Rappaport. "Retention of styrene following controlled exposure to constant and fluctuating air concentrations". *Int Arch Occup Enr Health*, 67: 27-34, 1995
54. WM Draper, F Brown, R Bethem, M Miille, C Becker; "Applications of New HPLC/MS Techniques in Human Biomonitoring." In: *Applications of Molecular Biology in Environmental Chemistry*, R Minear, NJ Karch, LL Needham, AM Ford, Eds., Lewis Publishers, Inc., Chelsea, MI. 1995
55. Jianwen She, H. Hagenmaier "PCDDs and PCDFs with Chlorakali Pattern in Soil and Sludge Sampls", *Organohalogen compounds*, Vol 20, 261 - 266, 1994
56. Jianwen She, P Visita, F Sy, M Petreas "Congener-specific Identification of PCB Contamination in Laboratory Air, Solvents and Adsorbents", *Organohalogen compounds*, Vol 19, 223 - 226, 1994
57. JW Newman, J Vedder, WM Jarman, and RR. Chang " A Method for the Determination of Environmental Contaminates in Living Marine Mamals Using Microscale Samples of Blubber and Blood" *Chemosphere*, 28, pp 1795 – 1805, 1994.

58. Kimbrough, DE, R Chin, JR Wakakuwa; "Wide and Systematic Errors in the Analysis of PCBs Part 3: Gas Chromatography". *The Analyst*, 119: 1293-1301, 1994
59. Kimbrough, DE, R Chin, JR Wakakuwa; "Wide and Systematic Errors in the Analysis of PCBs Part 2: A Comparison of Extraction Equipment". *The Analyst*, 119: 1283-1292, 1994
60. Kimbrough, DE, R Chin, JR Wakakuwa; "Wide and Systematic Errors in the Analysis of PCBs Part 1: Interlaboratory Studies". *The Analyst*, 119:1277-1281, 1994
61. Kimbrough, DE and JR Wakakuwa, "An interlaboratory comparison of instruments used for the analysis of elements in acid digestates of solids". *The Analyst*, 119:383-388, 1994
62. Craigmill AL, Wetzlich S, Draper WM. "Toxicology and risk assessment". In: *Environmental Epidemiology: Effects of Environmental Chemicals on Human Health*, WM Draper, Ed., ACS Advances in Chemistry Series # 241, American Chemical Society, Washington, DC., 1994
63. RA Kreutzer, DJ Hewitt, and WM Draper; "An Epidemiology Assessment of the Cantara Metam-Sodium Spill." In: *Environmental Epidemiology: Effects of environmental Chemicals on Human Health*, WM Draper, Ed., ACS Advances in Chemistry Series # 241, Amer Chem Society, Washington, DC., 1994
64. MH Dong, WM Draper, PJ Papanek, JH Ross, KA Woloshin, and RD Stephens; "Estimating Malathion Doses in California's Medfly Eradication Campaign Using a Physiologically-based Pharmacokinetic Model" In: *Environmental Epidemiology: Effects of environmental Chemicals on Human Health*, WM Draper, Ed., ACS Advances in Chemistry Series # 241, Amer Chemical Society, Washington, DC., 1994
65. H Hagenmaier, Lindig C, She J "Correlation of Environmental Occurrence of polychlorinated dibenzo-p-dioxins and dibenzofurans with possible Sources", *Chemosphere*, 9: 2163 - 2174, 1994
66. Kimbrough, DE and JR Wakakuwa, "The Quality Control Limit: An alternative to Detection Levels" *Envir Sci & Techn*, 28: 338-345, 1994
67. Jianwen She, Hagenmaier, H. "Use of Principal Component Analysis in the Source Identification of PCDD/Fs", *Organohalogen compounds*, Vol 12, 187 - 190, 1993
68. Grassman J, R Haas; "Development of an Immunoassay to Detect Hemoglobin Adducts Formed by Benzene Exposure." *Int Arch Occup Envir Health*, 65:S147-S150, 1993
69. Simmons BP, Spear RC. "Source Identification for Multiple Chemical Exposure Using Pattern Recognition and Classification Techniques". *Envir Sci & Technol*, 27: (12) 2430-2434, 1993
70. Kimbrough, DE and JR Wakakuwa, "A Study of Method Detection Limits in Solid Waste Analysis" *Envir Sci & Techn*, 27: 2692-2699, 1993
71. RR Chang, WM Jarman and JA Hennings. "Sample cleanup by solid-phase extraction for the ultratrace analysis of polychlorinated dibenzo-p-dioxins and dibenzofurans in biological samples". *Analytical Chemistry*, 65: (18) 2420-2427, 1993
72. WM Jarman, SA Burns, RR Chang, RD Stephens, RJ Norstrom, M Simon, J Linthicum, "Determination of PCDDs, PCDFs, and PCBs in California Peregrine Falcons (*Falco peregrinus*), Their Eggs, and Selected Prey Species," *Envir Toxicol and Chemistry*, 12, 105-114, 1993
73. Rothman N, MC Poirier, RA Haas, A Correa-Villasenor, P Ford, JA Hansen, T O'Toole and PT Strickland; "Association of PAH-DNA Adducts in Peripheral White Blood Cells with Dietary Exposure to PAHs." *Environ Health Perspect*, 99: 265-267, 1993
74. Rothman N, A Correa-Villasenor, D Ford, MC Poirier, R Haas, JA Hansen, T O'Toole, PT Strickland; "Contribution of Occupation and Diet to White Blood Cell Polycyclic Aromatic Hydrocarbon-DNA Adducts in Wildland Firefighters." *Cancer Epidemiology, Biomarkers and Prevention*, 2:341-347, 1993
75. FR Brown, R Roehl. "Chlorine-Selective Detector in Supercritical Fluid Chromatography Using a Coulson Electrolytic Conductivity Detector". *Analyt Lett*, 26: 773-792, 1993
76. WM Draper and DE Wakeham; "Rate Constants for Metam-Sodium Cleavage and Photodecomposition in Water" *J. Agric Food Chem*, 41: 1129-33, 1993.
77. Brown M, M Petreas, T Mischke, H Okamoto, R Stephens. "Monitoring of malathion and its impurities and environmental transformation products on surfaces and in air following an aerial application". *Envir Sci & Techn* 27 (2): 388-397, 1993

78. T. Benz., H. Hagenmaier, C. Lindig and J. She, "Occurrence of the Sulfur Analogue of Octachlorodibenzo-p-Dioxin in the Environment and Investigations on its Potential Source", *Fresenius J. Anal Chem*, v.344, p286 - 291 (1992)
79. H Hagenmaier, J She, and C Lindig "Persistence of polychlorinated dibenzo-p-dioxins and polychlorinate dibenzofurans in contaminated soil", *Chemosphere*, 25 (7 - 10): 1449 - 1456, 1992
80. H Hagenmaier, J She, T Benz, N Dawidowsky, L. Duesterhoeft and C. Lindig, "Analysis of Sewage Sludge for Polyhalogenated dibenzo-p-dioxins, dibenzofurans, and Diphenylethers", *Chemosphere*, 25 (7 -10): 1457 -1462, 1992
81. RD Stephens, C Rappe, D Hayward, M Nygren, J Startin, A Esbøll, J Carlé, and E Yrjänheikki, "WHO International Intercalibration study of Dioxins and Furans in Human Milk and Blood"; *Anal Chem*, 64, 3109-3117, 1992
82. Kimbrough DE, R Chin, JR Wakakuwa. "Industry-Wide Performance in a Pilot Proficiency Evaluation Sample Program for Hazardous Materials Laboratories Part 2: Precision and Accuracy of PCBs" *Envir Sci & Techn*, 26, 2101-2104, 1992
83. J Hsu, "Interfacing Ion Chromatography with Particle Beam Mass Spectrometry for the Determination of Organic Anionic Compounds," *Anal Chem*, 64, 434-443, 1992.
84. Kimbrough DE, R Chin, JR Wakakuwa. "Industry-Wide performance in a Pilot Proficiency Evaluation Sample Program for Hazardous Materials Laboratories Part 1: Elemental Precision and Accuracy". *Envir Sci & Techn*, 26, 2091-2100, 1992
85. Kimbrough DE and JR Wakakuwa, "A Study of the Linear Ranges of Several Acid Digestion Procedures"; *Envir Sci & Techn*, 26, 173-178 1992
86. Petreas MX, T Wiesmuller, FH Palmer, JJ Winkler, RD Stephens. "Aquatic life as biomonitors of PCDD/F and coplanar PCB contamination in the Sacramento-San Joaquin River Delta". *Chemosphere*, 25: 621-631, 1992
87. M Petreas, S Rappaport, B Materna, and D Rempel, "Mixed-exhaled Air Measurements to Assess Exposure to Tetrachloroethylene in Dry Cleaners," *International Journal of Exposure Analysis and Environmental Epidemiology Suppl.* 1, 25-39, 1992
88. HS Okamoto, D Wijekoon, C Esperanza, J Cheng, S Park, J Garcha, and K Perera, "Analysis for N-Methylcarbamate Pesticides by HPLC in Environmental Samples," *Waste Testing and Quality Assurance: Third Volume*, D. Friedman, Ed., ASTM STP 1075, American Society for Testing and Materials, Philadelphia, 1991
89. Kimbrough DE. and JR Wakakuwa, "Report of an Interlaboratory Study comparing EPA SW 846 Method 3050 and an Alternative Method from the California Department of Health Service" *Waste Testing & Quality Assurance: Third Volume*, ASTM STP 1075. CE Tatsch, Ed., American Society for Testing and Materials, Philadelphia, 1991
90. W Draper, H Park, RD Stephens, "Determination of OCDD and OCDF in soils and biological samples by GC/ECD," *Waste Testing and Quality Assurance: Third Volume*, ASTM STP 1075, CE Tatsch, Ed., American Society for Testing and Materials, Philadelphia, 1991
91. M Nicas, BP Simmons, and RC Spear, "Environmental Versus Analytical Variability in Exposure Measurements," *Amer Ind Hyg Assoc* 52 (12): 553-557, 1991
92. J Riviello, A Siriraks, R Manabe, R Roehl, and M Alforque, "Using IC to Enhance the Performance of Inductively Coupled Plasma-Optical Emission Spectrometry and Inductively Coupled Plasma-Mass Spectrometry," *LC-GC* 9 (10), 704, 1991
93. MX Petreas, LR Goldman, DG Hayward, RR Chang, J Flattery, T Wiesmuller, RD Stephens, DM Fry, and C Rappe, "Biotransfer and Bioaccumulation of PCDD/PCDFs from Soil: Controlled Exposure Studies of Chickens," *Chemosphere* 23 (11-12), 1731-1741, 1991
94. SM Rappaport, E Kure, M Petreas, D Ting, J Woodlee, "A Field Method for Measuring Solvent Vapors in Exhaled Air--Application to Styrene Exposure" *Scand J Work Enr Hlth* 17, 195-204, 1991
95. I Kim, F Sasinos, R Stephens, J Wang, M Brown, "Determination of Chlorinated Phenoxy Acid and Ester Herbicides in Soil and Water by Liquid Chromatography Particle Beam Mass Spectrometry and Ultraviolet Absorption Spectrophotometry," *Analytical Chemistry* 63, 819, 1991.

96. I Kim, F Sasinos, R Stephens, M Brown, "Determination of Aromatic Sulfonic Acids in Aqueous Environmental Samples by Anion-Exchange Chromatography coupled to Particle Beam Mass Spectrometry and UV Spectrophotometry," *J of Chromatography* 589, 177-183, 1991.
97. D Hayward, M Petreas, L Goldman, and RD Stephens, "Assessing the Risks from 2,3,7,8 TCDD and TCDF in Milk Packaged in Paper," *Chemosphere* 23 (11-12), 1551-1559, 1991
98. J Johnston, W Draper, and R Stephens, "LC-MS Compatible HPLC Separation for Xenobiotics and Their Phase I and Phase II Metabolites: Simultaneous Anion Exchange and Reversed Phase Chromatography," *J of Chromatogr Science*, 29, 511-516, 1991
99. W Draper, D Wijekoon, and RD Stephens, "Speciation and Quantitation of Aroclors in Hazardous Wastes Based on PCB Congener Data," *Chemosphere* 22 (1-2), 147-163, 1991
100. W Draper, S Koszdin. Speciation and Quantitation of Aroclors Based on PCB Congener Data: Application to California Mussels and White Croaker, *J of Agr and Food Chem* 39:1457-1467, 1991
101. W Draper, D Wijekoon, and R Stephens, "Determination of Malathion Urinary Metabolites by Isotope Dilution Ion Trap GC/MS," *J of Agric and Food Chemistry* 39, 1796-1801, 1991
102. R Brown, W Draper. The Matrix Effect in Particle Beam Liquid Chromatography/Mass Spectrometry and Reliable Quantification by Isotope Dilution," *Biological Mass Spectrometry* 20, 515-521, 1991
103. M Brown, R Stephens, and I Kim, "Liquid Chromatography Mass Spectrometry: a New Window for Environmental Analysis", *Trends in Analytical Chemistry* 10, 330-336, 1991
104. R Stephens, M Harnly, D Hayward, R Chang, J Flattery, MX Petreas, L Goldman, "Bioaccumulation of Dioxins in Food Animals II: Controlled Exposure Studies," *Chemosphere* 20, 1091-1096, 1990
105. RR Chang, WM Jarman, CC King, CC Esperanza, and RD Stephens, "Bioaccumulation of PCDD's and PCDF's in Food Animals III: A Rapid Cleanup of Biological Materials Using Reverse Phase Adsorbent Columns," *Chemosphere* 20, 881-886, 1990
106. F Brown, W Draper; "Particle Beam LC/MS of Phenols and their Sulfate and Glucuronide Conjugates." In: *LC-MS: Applications in Agricultural, Pharmaceutical and Environmental Chemistry*, edited by M. Brown, ACS Symposium Series No. 420, Amer Chem Soc, Washington, DC, Chapt. 15, pp. 232-244, 1990
107. W Draper, F Brown, R Bethem and M Miille; "Anion Exchange Thermospray Tandem Mass Spectrometry of Polar, Urinary Metabolites and Metabolic Conjugates." In: *LC-MS: Applications in Agricultural, Pharmaceutical, and Environmental Chemistry*, M Brown, Ed., ACS Symposium Series No. 420, American Chemical Society, Washington, DC, Chapt. 17, pp. 253-269. 1990
108. L Goldman, D Hayward, J Flattery, M Harnly, D Patterson, L Needham, D Siegal, R Chang, R Stephens, and K Kizer, "Serum, Adipose and Autopsy Tissue PCCD and PCDF levels in People Eating Dioxin Contaminated Beef and Chicken Eggs," *Chemosphere* 19, 841-848, 1989
109. D Hayward, J Charles, C Voss de Bettancourt, S Stephens, R Stephens, P Papanek, L Lance, and C Ward, "PCDD and PCDF in Breast Milk as Correlated with Fish Consumption in Southern California," *Chemosphere* 19 (1-6), 455-468, 1989
110. RR Chang, D Hayward, L Goldman, M Harnly, J Flattery, and RD Stephens, "Foraging Farm Animals as Biomonitors for Dioxin Contamination," *Chemosphere* 19, 481-486, 1989
111. Kimbrough DE, and JR Wakakuwa, "Acid Digestion for Sediments, Sludges, Soils, and Solid Wastes. A proposed Alternative to EPA SW 846 Method 3050.," *Envir Sci & Techn*, 23, 898-900, 1989.
112. F Brown and W Draper; "Separation of Phenols and their Glucuronide and sulfate Conjugates by Anion-Exchange Liquid Chromatography" *J of Chromatography*, 479, pp.441-444, 1989
113. W Draper, F Brown, R Bethem, M Miille; Thermospray MS and MS/MS of Polar, Urinary Metabolites and Metabolic Conjugates. *Biomedical & Envir Mass Spectrometry*, 18, 767-774, 1989
114. W Draper, J Phillips, M Harnly, R Stephens; Assessing Environmental Contamination from a Pentachlorophenol Fire: Screening Soils for Octachlorodibenzodioxin. *Chemosphere*, 17, 1831-50, 1988
115. MS Iskander, N Yacoub, A Holden, C Smith, RD Stephens. "Comparative Study of Preparative and Analytical Techniques for the Determination of Selenium in Water, Sediment and Vegetation Matrices". *Waste Testing and Quality Assurance*, ASTM STP 999. D Friedman, Ed., American Society for Testing and Materials, Philadelphia, 1988

116. W Draper and N Wolfe. "Abiotic Processes in the Degradation of Pesticides in Natural Waters." In: Pesticide Science and Biotechnology, R Greenhalgh and TR Roberts, eds. Proceedings of the 6th IUPAC Congress of Pesticide Chemistry, Blackwell Scientific Publications, Oxford, pp 425-432, 1987
117. W Draper, R Stephens, and L Ruzo. "Photochemical Surface Decontamination: Application to a Polychlorinated Biphenyl Spill Site." In: Solving Hazardous Waste Problems, edited by J. Exner, ACS Symposium Series No. 338, American Chemical Society, Washington, DC, pp 350-366. 1987
118. YY Wang, CP Flessel, LR Williams, K Chang, MJ DiBartolomeis, B Simmons, H Singer, and S Sun. "Evaluation of Guidelines for Preparing Wastewater Samples for Ames Testing," in Short-Term Bioassays in the Analysis of Complex Environmental Mixtures Vol. V: , S Sandhu, DM DeMarini, MJ Mass, MM Moore, and JL Mumford, Eds., pp. 67-87, 1987
119. W Draper. "Quantitation of nitro- and dinitropolycyclic aromatic hydrocarbons in diesel exhaust particulate". Chemosphere, 15: 437, 1986
120. L Ruzo and W Draper. "Practical Techniques for Mass Spectrometric Analysis of Pesticides and their Degradation Products." In: Practical Methods for the Analysis of Pesticides, G Zweig and J Sherma, Eds., Academic Press, Orlando, Florida, pp 133-192, 1986.
121. W Draper. "Measurement of Quantum Yields in Polychromatic Light: Dinitroaniline Herbicides." In: Photochemistry of Environmental Aquatic Systems, W Cooper and R Zika, eds; ACS Symposium Series No. 327, American Chemical Society, Washington, DC, pp 268-280. 1986